

United States of America  
Department of Transportation—Federal Aviation Administration  
**Supplemental Type Certificate**

Number SA2107SO

This certificate, issued to Aeronautical Engineers, Inc.  
P. O. Box 661027  
Miami, Florida 33166

**Added Notes at Surrender:**

1. Future unsafe conditions existing in the product can result in an airworthiness directive requiring correction of the unsafe condition before further flight. If there is no entity to comply with 14 CFR 21.99(a), Required design changes, the existence of an unsafe condition might result in permanently grounding of the aircraft.
2. Replacement parts might not be available in the future.

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 4b of the Civil Air Regulations.

Original Product—Type Certificate Number: A3WE

Make: Boeing

Model: 727-100 S/N's 18429, 18435, 19131, 19389, 19428 and 19431

STC Surrender processed:

Approval by:

Melvin Taylor, ATL ACO Manager

Date: 19388,

10/19/2009

**Description of Type Design Change:** Installation of a cargo compartment loading configuration in accordance with Aeronautical Engineers Drawing AE 4406, Revision "A", dated June 27, 1985, or later FAA approved revision. Installation of this STC changes the maximum cargo compartment loadings of the above listed aircraft serial numbers modified in accordance with Hayes International STC's SA1444SO and SA1667SO to be consistent with Aeronautical Engineers, Inc., STC SA1368SO.

**Limitations and Conditions:** The approval of this change applies only to Boeing Model 727-100 airplanes which have incorporated Hayes International STC SA1667SO in serial numbers as listed above. Installation of STC SA2107SO requires that these aircraft are modified and operated in accordance with Appendix 17 to Boeing Airplane Flight Manual D6-8727. Aeronautical Engineers, Inc., report R-548 FT, "Weight and Balance Manual," as revised May 19, 1987, is a required part of this STC, and supersedes Hayes International Weight and Balance Report No. D-510 and/or D-515.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: April 30, 1985

Date reissued:

Date of issuance: May 22, 1987

Date amended: October 9, 1987

By direction of the Administrator

Paul C. Scorsers  
(Signature)  
Acting Manager, Atlanta  
Aircraft Certification Office



(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.